



Scion Instruments GC Startup & Shutdown Procedures

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GC Shutdown Procedure

Note: contact support-can@scioninstruments.com for any help needed with these procedures. We are happy to remotely connect to your instrument and help you with any and all of these procedures.

1. Ensure column temperatures are below 50 °C.
2. Once column temperatures are below 50 °C you can exit out of all GC control software (i.e. CompassCDS, Star/Galaxy, MSWS).
3. Turn off power switch for GC. Remove the GC plug from the wall to avoid problems from potential power surges.
4. If you have a PAL autosampler, turn off the power switch and remove the power plug from the wall.
5. Turn off all gas cylinders, compressors, hydrogen and air generators.

GC Startup Procedure

1. Before starting the system ensure general maintenance is up to date on the system including: NEW GC liner and septum. Check that gas filters are not spent by checking the colour indicators. Autosampler syringes are clean and functional, gas cylinder levels and supply pressures are adequate (80PSI for all GC supply gasses).
2. Turn on all gas cylinders, compressors, hydrogen and air generators.
3. Ensure GC power cord is plugged in and turn on power switch to the GC. If you have a PAL autosampler, you can now plug in and turn on the power switch.
4. Ensure you are achieving proper carrier gas flows for all flow controllers.
5. Detectors that are sensitive to gas flow (TCD, ECD, Methanizer) should have their electronics turned OFF at the beginning to allow for carrier gas to purge the system for approximately 30 minutes before loading the analysis method.
6. Connect to the GC software (CompassCDS, Star/Galaxy, MSWS) and load desired method to begin your analysis.

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